Claims

1. (presently amended) A magnetic transducer with an inductive write head comprising:

a gap layer extending from a write gap toward a back of a yoke;

a pedestal pole piece of <u>a</u> ferromagnetic material which is in contact with the gap layer at <u>the</u> a write gap, a back surface of the pedestal <u>pole piece</u> defining a zero throat height line;

a first coil layer including a plurality of turns of <u>an</u> electrically conductive material which pass between the pedestal pole piece and the back of the yoke, the turns of <u>the</u> electrically conductive material of the first coil layer being separated by <u>an</u> insulating material having sidewalls with a first seed layer thereon:

a second coil layer including a plurality of turns of electrically conductive material which pass between a P2 pole piece and the back of the yoke, the turns of the electrically conductive material of the second coil layer being separated by the insulating material having sidewalls with a second seed layer thereon; and

a third coil layer including a plurality of turns of <u>the</u> electrically conductive material which pass between a P3 pole piece and the back of the yoke.

- 2. (previously presented) The magnetic transducer of claim 1 further comprising an adhesion layer between the first seed layer and the insulating material.
- 3. (previously presented) The magnetic transducer of claim 2 wherein the adhesion layer is tantalum.
- 4. (previously presented) The magnetic transducer of claim 2 wherein the adhesion layer is tantalum nitride.

- 5. (previously presented) The magnetic transducer of claim 1 wherein the first seed layer is copper.
- 6. (previously presented) The magnetic transducer of claim 1 wherein an aspect ratio of the first coil layer is greater than three.
- 7. (previously presented) The magnetic transducer of claim 1 wherein an aspect ratio of the first coil layer is approximately eight.
- 8. (presently amended) A disk drive comprising:
- a disk having a thin film of <u>a</u> ferromagnetic material on a planar surface of the disk:
 - a spindle rotatably supporting the disk;
- an actuator supporting a magnetic transducer having an air bearing surface confronting the planar surface of the disk; and
 - the magnetic transducer including a write head comprising:
- a pedestal pole piece of <u>a ferromagnetic material</u> which is in contact with a gap layer at a write gap, a back surface of the pedestal <u>pole piece</u> defining a zero throat height line;
- a first coil layer including a plurality of turns of <u>an</u> electrically conductive material which pass between the pedestal pole piece and a back of a yoke, the turns of <u>the</u> electrically conductive material of the first coil layer being separated by <u>an</u> insulating material having sidewalls with a first seed layer thereon;
- a second coil layer including a plurality of turns of <u>the</u> electrically conductive material which pass between a P2 pole piece at the write gap and the back of the yoke, the turns of <u>the</u> electrically conductive material of the second coil layer being separated by <u>the</u> insulating material having sidewalls with a second seed layer thereon; and
- a third coil layer including a plurality of turns of <u>the</u> electrically conductive material which pass between a P3 pole piece connected to the P2 pole piece and the back of the yoke.

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- 9. (previously presented) The disk drive of claim 8 wherein an aspect ratio of the first coil layer is greater than three.
- 10. (previously presented) The disk drive of claim 8 wherein an adhesion layer is disposed between the first seed layer and the insulating material.
- 11. (previously presented) The disk drive of claim 10 wherein the adhesion layer is tantalum.
- 12. (previously presented) The disk drive of claim 10 wherein the adhesion layer is tantalum nitride.
- 13. (previously presented) The disk drive of claim 8 wherein the first seed layer is copper.
- 14. (previously presented) The disk drive of claim 8 wherein an aspect ratio of the first coil layer is greater than three.
- 15. (previously presented) The disk drive of claim 8 wherein an aspect ratio of the first coil layer is approximately eight.